

52020

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/519,238
Source: PGT/10
Date Processed by STIC: 1/19/05

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/519,238

CRF Edit Date: 1/19/05
Edited by: AN

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

Corrected the SEQ ID NO. Sequence numbers edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: invalid beginning/end-of-file text ; page numbers

Inserted mandatory headings/numeric identifiers, specifically:

Moved responses to same line as heading/numeric identifier, specifically:

Other:



PCT10

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/519,238

DATE: 01/19/2005
TIME: 15:02:00

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01192005\J519238.raw

3 <110> APPLICANT: Cellzome AG
5 <120> TITLE OF INVENTION: Components of the Presenilin Complex
7 <130> FILE REFERENCE: Components of the Presenilin Complex
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/519,238
C--> 9 <141> CURRENT FILING DATE: 2004-12-22
9 <150> PRIOR APPLICATION NUMBER: PCT/EP03/06704
10 <151> PRIOR FILING DATE: 2003-06-25
12 <150> PRIOR APPLICATION NUMBER: EP02014244.4
13 <151> PRIOR FILING DATE: 2002-06-26
15 <160> NUMBER OF SEQ ID NOS: 6
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 247
21 <212> TYPE: PRT
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
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30 Ala Phe Ala Leu Phe Leu Ile Thr Val Ala Gly Asp Pro Leu Arg Val
31 20 25 30
34 Ile Ile Leu Val Ala Gly Ala Phe Phe Trp Leu Val Ser Leu Leu Leu
35 35 40 45
38 Ala Ser Val Val Trp Phe Ile Leu Val His Val Thr Asp Arg Ser Asp
39 50 55 60
42 Ala Arg Leu Gln Tyr Gly Leu Leu Ile Phe Gly Ala Ala Val Ser Val
43 65 70 75 80
46 Leu Leu Gln Glu Val Phe Arg Phe Ala Tyr Tyr Lys Leu Leu Lys Lys
47 85 90 95
50 Ala Asp Glu Gly Leu Ala Ser Leu Ser Glu Asp Gly Arg Ser Pro Ile
51 100 105 110
54 Ser Ile Arg Gln Met Ala Tyr Val Ser Gly Leu Ser Phe Gly Ile Ile
55 115 120 125
58 Ser Gly Val Phe Ser Val Ile Asn Ile Leu Ala Asp Ala Leu Gly Pro
59 130 135 140
62 Gly Val Val Gly Ile His Gly Asp Ser Pro Tyr Tyr Phe Leu Thr Ser
63 145 150 155 160
66 Ala Phe Leu Thr Ala Ala Ile Ile Leu Leu His Thr Phe Trp Gly Val
67 165 170 175
70 Val Phe Phe Asp Ala Cys Glu Arg Arg Arg Tyr Trp Ala Leu Gly Leu
71 180 185 190
74 Val Val Gly Ser His Leu Leu Thr Ser Gly Leu Thr Phe Leu Asn Pro
75 195 200 205
78 Trp Tyr Glu Ala Ser Leu Leu Pro Ile Tyr Ala Val Thr Val Ser Met

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79 210 215 220
 82 Gly Leu Trp Ala Phe Ile Thr Ala Gly Gly Ser Leu Arg Ser Ile Gln
 83 225 230 235 240
 86 Arg Ser Leu Leu Cys Lys Asp
 87 245
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 91 <211> LENGTH: 467
 92 <212> TYPE: PRT
 93 <213> ORGANISM: Homo sapiens
 95 <400> SEQUENCE: 2
 97 Met Thr Glu Leu Pro Ala Pro Leu Ser Tyr Phe Gln Asn Ala Gln Met
 98 1 5 10 15
 101 Ser Glu Asp Asn His Leu Ser Asn Thr Val Arg Ser Gln Asn Asp Asn
 102 20 25 30
 105 Arg Glu Arg Gln Glu His Asn Asp Arg Arg Ser Leu Gly His Pro Glu
 106 35 40 45
 109 Pro Leu Ser Asn Gly Arg Pro Gln Gly Asn Ser Arg Gln Val Val Glu
 110 50 55 60
 113 Gln Asp Glu Glu Glu Asp Glu Glu Leu Thr Leu Lys Tyr Gly Ala Lys
 114 65 70 75 80
 117 His Val Ile Met Leu Phe Val Pro Val Thr Leu Cys Met Val Val Val
 118 85 90 95
 121 Val Ala Thr Ile Lys Ser Val Ser Phe Tyr Thr Arg Lys Asp Gly Gln
 122 100 105 110
 125 Leu Ile Tyr Thr Pro Phe Thr Glu Asp Thr Glu Thr Val Gly Gln Arg
 126 115 120 125
 129 Ala Leu His Ser Ile Leu Asn Ala Ala Ile Met Ile Ser Val Ile Val
 130 130 135 140
 133 Val Met Thr Ile Leu Leu Val Val Leu Tyr Lys Tyr Arg Cys Tyr Lys
 134 145 150 155 160
 137 Val Ile His Ala Trp Leu Ile Ile Ser Ser Leu Leu Leu Phe Phe
 138 165 170 175
 141 Phe Ser Phe Ile Tyr Leu Gly Glu Val Phe Lys Thr Tyr Asn Val Ala
 142 180 185 190
 145 Val Asp Tyr Ile Thr Val Ala Leu Ile Trp Asn Phe Gly Val Val
 146 195 200 205
 149 Gly Met Ile Ser Ile His Trp Lys Gly Pro Leu Arg Leu Gln Gln Ala
 150 210 215 220
 153 Tyr Leu Ile Met Ile Ser Ala Leu Met Ala Leu Val Phe Ile Lys Tyr
 154 225 230 235 240
 157 Leu Pro Glu Trp Thr Ala Trp Leu Ile Leu Ala Val Ile Ser Val Tyr
 158 245 250 255
 161 Asp Leu Val Ala Val Leu Cys Pro Lys Gly Pro Leu Arg Met (Leu Val
 162 260 265 270
 165 Glu Thr Ala Gln Glu Arg Asn Glu Thr Leu Phe Pro Ala Leu Ile Tyr
 166 275 280 285
 169 Ser Ser Thr Met Val Trp Leu Val Asn Met Ala Glu Gly Asp Pro Glu
 170 290 295 300
 174 Ala Gln Arg Arg Val Ser Lys Asn Ser Lys Tyr Asn Ala Glu Ser Thr

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175 305 310 315 320
 178 Glu Arg Glu Ser Gln Asp Thr Val Ala Glu Asn Asp Asp Gly Gly Phe
 179 325 330 335
 182 Ser Glu Glu Trp Glu Ala Gln Arg Asp Ser His Leu Gly Pro His Arg
 183 340 345 350
 186 Ser Thr Pro Glu Ser Arg Ala Ala Val Gln Glu Leu Ser Ser Ser Ile
 187 355 360 365
 190 Leu Ala Gly Glu Asp Pro Glu Glu Arg Gly Val Lys Leu Gly Leu Gly
 191 370 375 380
 194 Asp Phe Ile Phe Tyr Ser Val Leu Val Gly Lys Ala Ser Ala Thr Ala
 195 385 390 395 400
 198 Ser Gly Asp Trp Asn Thr Thr Ile Ala Cys Phe Val Ala Ile Leu Ile
 199 405 410 415
 202 Gly Leu Cys Leu Thr Leu Leu Leu Ala Ile Phe Lys Lys Ala Leu
 203 420 425 430
 206 Pro Ala Leu Pro Ile Ser Ile Thr Phe Gly Leu Val Phe Tyr Phe Ala
 207 435 440 445
 210 Thr Asp Tyr Leu Val Gln Pro Phe Met Asp Gln Leu Ala Phe His Gln
 211 450 455 460
 214 Phe Tyr Ile
 215 465
 218 <210> SEQ ID NO: 3
 219 <211> LENGTH: 709
 220 <212> TYPE: PRT
 221 <213> ORGANISM: Homo sapiens
 223 <400> SEQUENCE: 3
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 226 1 5 10 15
 229 Leu Leu Arg Leu Leu Ser Phe Cys Val Leu Leu Ala Gly Leu Cys Arg
 230 20 25 30
 233 Gly Asn Ser Val Glu Arg Lys Ile Tyr Ile Pro Leu Asn Lys Thr Ala
 234 35 40 45
 237 Pro Cys Val Arg Leu Leu Asn Ala Thr His Gln Ile Gly Cys Gln Ser
 238 50 55 60
 241 Ser Ile Ser Gly Asp Thr Gly Val Ile His Val Val Glu Lys Glu Glu
 242 65 70 75 80
 245 Asp Leu Gln Trp Val Leu Thr Asp Gly Pro Asn Pro Pro Tyr Met Val
 246 85 90 95
 249 Leu Leu Glu Ser Lys His Phe Thr Arg Asp Leu Met Glu Lys Leu Lys
 250 100 105 110
 253 Gly Arg Thr Ser Arg Ile Ala Gly Leu Ala Val Ser Leu Thr Lys Pro
 254 115 120 125
 257 Ser Pro Ala Ser Gly Phe Ser Pro Ser Val Gln Cys Pro Asn Asp Gly
 258 130 135 140
 261 Phe Gly Val Tyr Ser Asn Ser Tyr Gly Pro Glu Phe Ala His Cys Arg
 262 145 150 155 160
 265 Glu Ile Gln Trp Asn Ser Leu Gly Asn Gly Leu Ala Tyr Glu Asp Phe
 266 165 170 175
 269 Ser Phe Pro Ile Phe Leu Leu Glu Asp Glu Asn Glu Thr Lys Val Ile

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270	180	185	190
273	Lys Gln Cys Tyr Gln Asp His Asn Leu Ser Gln Asn Gly Ser Ala Pro		
274	195	200	205
277	Thr Phe Pro Leu Cys Ala Met Gln Leu Phe Ser His Met His Ala Val		
278	210	215	220
281	Ile Ser Thr Ala Thr Cys Met Arg Arg Ser Ser Ile Gln Ser Thr Phe		
282	225	230	235
285	Ser Ile Asn Pro Glu Ile Val Cys Asp Pro Leu Ser Asp Tyr Asn Val		
286	245	250	255
289	Trp Ser Met Leu Lys Pro Ile Asn Thr Thr Gly Thr Leu Lys Pro Asp		
290	260	265	270
293	Asp Arg Val Val Val Ala Ala Thr Arg Leu Asp Ser Arg Ser Phe Phe		
294	275	280	285
297	Trp Asn Val Ala Pro Gly Ala Glu Ser Ala Val Ala Ser Phe Val Thr		
298	290	295	300
301	Gln Leu Ala Ala Ala Glu Ala Leu Gln Lys Ala Pro Asp Val Thr Thr		
302	305	310	315
305	Leu Pro Arg Asn Val Met Phe Val Phe Phe Gln Gly Glu Thr Phe Asp		
306	325	330	335
309	Tyr Ile Gly Ser Ser Arg Met Val Tyr Asp Met Glu Lys Gly Lys Phe		
310	340	345	350
313	Pro Val Gln Leu Glu Asn Val Asp Ser Phe Val Glu Leu Gly Gln Val		
314	355	360	365
317	Ala Leu Arg Thr Ser Leu Glu Leu Trp Met His Thr Asp Pro Val Ser		
318	370	375	380
321	Gln Lys Asn Glu Ser Val Arg Asn Gln Val Glu Asp Leu Leu Ala Thr		
322	385	390	395
325	Leu Glu Lys Ser Gly Ala Gly Val Pro Ala Val Ile Leu Arg Arg Pro		
326	405	410	415
329	Asn Gln Ser Gln Pro Leu Pro Pro Ser Ser Leu Gln Arg Phe Leu Arg		
330	420	425	430
333	Ala Arg Asn Ile Ser Gly Val Val Leu Ala Asp His Ser Gly Ala Phe		
334	435	440	445
337	His Asn Lys Tyr Tyr Gln Ser Ile Tyr Asp Thr Ala Glu Asn Ile Asn		
338	450	455	460
341	Val Ser Tyr Pro Glu Trp Leu Ser Pro Glu Glu Asp Leu Asn Phe Val		
342	465	470	475
345	Thr Asp Thr Ala Lys Ala Leu Ala Asp Val Ala Thr Val Leu Gly Arg		
346	485	490	495
349	Ala Leu Tyr Glu Leu Ala Gly Gly Thr Asn Phe Ser Asp Thr Val Gln		
350	500	505	510
353	Ala Asp Pro Gln Thr Val Thr Arg Leu Leu Tyr Gly Phe Leu Ile Lys		
354	515	520	525
357	Ala Asn Asn Ser Trp Phe Gln Ser Ile Leu Arg Gln Asp Leu Arg Ser		
358	530	535	540
361	Tyr Leu Gly Asp Gly Pro Leu Gln His Tyr Ile Ala Val Ser Ser Pro		
362	545	550	555
365	Thr Asn Thr Thr Tyr Val Val Gln Tyr Ala Leu Ala Asn Leu Thr Gly		
366	565	570	575

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369 Thr Val Val Asn Leu Thr Arg Glu Gln Cys Gln Asp Pro Ser Lys Val
370 580 585 590
373 Pro Ser Glu Asn Lys Asp Leu Tyr Glu Tyr Ser Trp Val Gln Gly Pro
374 595 600 605
377 Leu His Ser Asn Glu Thr Asp Arg Leu Pro Arg Cys Val Arg Ser Thr
378 610 615 620
381 Ala Arg Leu Ala Arg Ala Leu Ser Pro Ala Phe Glu Leu Ser Gln Trp
382 625 630 635 640
385 Ser Ser Thr Glu Tyr Ser Thr Trp Thr Glu Ser Arg Trp Lys Asp Ile
386 645 650 655
389 Arg Ala Arg Ile Phe Leu Ile Ala Ser Lys Glu Leu Glu Leu Ile Thr
390 660 665 670
393 Leu Thr Val Gly Phe Gly Ile Leu Ile Phe Ser Leu Ile Val Thr Tyr
394 675 680 685
397 Cys Ile Asn Ala Lys Ala Asp Val Leu Phe Ile Ala Pro Arg Glu Pro
398 690 695 700
401 Gly Ala Val Ser Tyr
402 705
405 <210> SEQ ID NO: 4
406 <211> LENGTH: 257
407 <212> TYPE: PRT
408 <213> ORGANISM: Homo sapiens
410 <400> SEQUENCE: 4
412 Met Thr Ala Ala Val Phe Phe Gly Cys Ala Phe Ile Ala Phe Gly Pro
413 1 5 10 15
416 Ala Leu Ala Leu Tyr Val Phe Thr Ile Ala Thr Glu Pro Leu Arg Ile
417 20 25 30
420 Ile Phe Leu Ile Ala Gly Ala Phe Phe Trp Leu Val Ser Leu Leu Ile
421 35 40 45
424 Ser Ser Leu Val Trp Phe Met Ala Arg Val Ile Ile Asp Asn Lys Asp
425 50 55 60
428 Gly Pro Thr Gln Lys Tyr Leu Leu Ile Phe Gly Ala Phe Val Ser Val
429 65 70 75 80
432 Tyr Ile Gln Glu Met Phe Arg Phe Ala Tyr Tyr Lys Leu Leu Lys Lys
433 85 90 95
436 Ala Ser Glu Gly Leu Lys Ser Ile Asn Pro Gly Glu Thr Ala Pro Ser
437 100 105 110
440 Met Arg Leu Leu Ala Tyr Val Ser Gly Leu Gly Phe Gly Ile Met Ser
441 115 120 125
444 Gly Val Phe Ser Phe Val Asn Thr Leu Ser Asp Ser Leu Gly Pro Gly
445 130 135 140
448 Thr Val Gly Ile His Gly Asp Ser Pro Gln Phe Phe Leu Tyr Ser Ala
449 145 150 155 160
452 Phe Met Thr Leu Val Ile Ile Leu Leu His Val Phe Trp Gly Ile Val
453 165 170 175
456 Phe Phe Asp Gly Cys Glu Lys Lys Lys Trp Gly Ile Leu Leu Ile Val
457 180 185 190
460 Leu Leu Thr His Leu Leu Val Ser Ala Gln Thr Phe Ile Ser Ser Tyr
461 195 200 205

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/519,238

DATE: 01/19/2005

TIME: 15:02:01

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01192005\J519238.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date